

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

Vertech Fenexexpert 4275 Grande-Allee Boisbriand, Quebec, Canada J7H-1M7

SCOPE

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Aquilon" Aluminum Sliding Glass Door w/ Reinforcements- L.M.I.

APPROVAL DOCUMENT: Drawing No. AQI-LMI-08-08-NOA, titled "Series Aquilon Aluminum Sliding Glass Door", sheets 1 through 10 of 10, dated FEB 19, 2013, prepared by Bromley-Cook Engineering Inc., signed and sealed by William D. Cook, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitation: 1. See Design Pressure Vs Size and double anchor quantities per sheet 7 of the drawings.

2. The fixed panels of OX, XOX, OXO, OOX and OXXO configurations are to be secured by snap on covers item #10 at head and #17 at sill. Additionally the fix panels of OOX is to be secured at astragal /meeting stile by #14-20 SMS @ 12" O.C.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises & renews NOA #12-0813.03 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 13-0228.03 Expiration Date: July 03, 2018 Approval Date: May 16, 2013 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. **DRAWINGS**

- Manufacturer's die drawings and sections (submitted under file ##12-0813.03)
- Drawing No. AQI-LMI-08-08-NOA, titled "Series Aquilon Alum Sliding Glass Door", sheets 1 thru 10 of 10, dated FEB 19, 2013, prepared by Bromley-Cook Engineering Inc, signed and sealed by William D. Cook, P.E. Note: The revision to previous NOA consists of editorial notes changes (removal of revision history) only.

- TESTS (submitted under file #12-0813.03/ # 09-0512.08) В.
 - Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94 1.
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5720 dated 09/29/08 and revised on 10/23/08 and 07/17/09, signed and sealed by Michael Wenzel, P.E.

2. Additional test reports FTL-5359 dated 11/29/07 and FTL 5368 dated 12/07/07, issued by Fenestration Testing Laboratory, Inc., per TAS 202-94 and TAs 201/203-94 (LMI), both signed and sealed by Carlos Rionda, P. E.

CALCULATIONS C.

- 1. Anchor verification calculations, comparative analysis and structural analysis complying w/ FBC 2007, dated 10/29/09 and last revised on Dec 08, 2009, prepared by Bromley-Cook Engineering Inc., signed and sealed by William D. Cook, P.E.(submitted under file #09-0512.08)
- 2. Glazing complies w/ ASTME-1300-02 & -04

D. **QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass ® Interlayer", expiring on 01/14/17.
- 2. Notice of Acceptance No. 12-1231.08 issued to Eastman Chemical Company (Former Solutia, Inc.) for "Saflex CP-Saflex & Saflex HP composite w/ PET Core", expiring on 12/11/2018

F. **STATEMENTS**

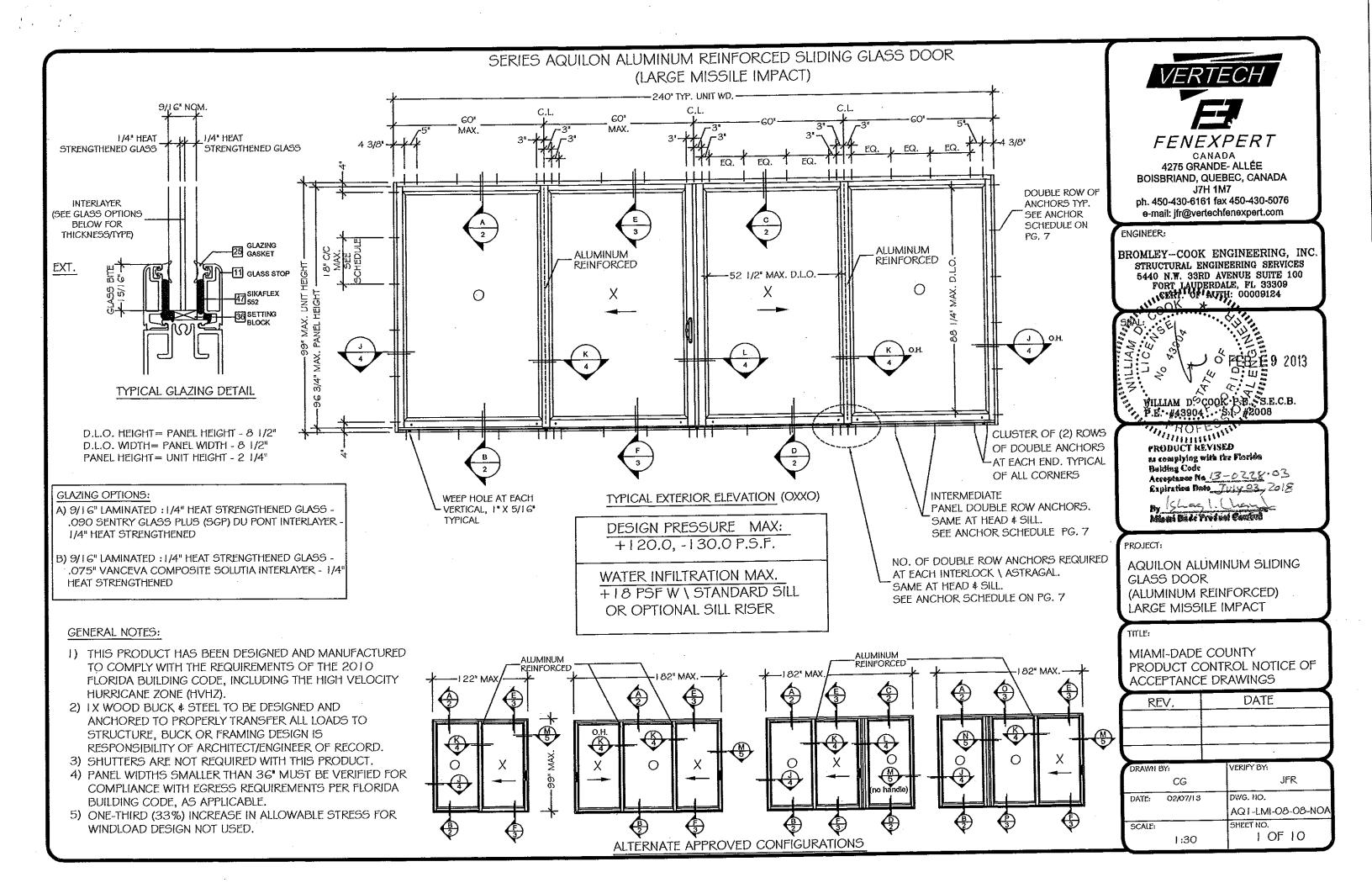
- 1. Statement letters dated FEB 07, 2013, Renewal with No changes to the system and product is conforming to FBC 2010 and "No financial interest", and all prepared by Bromley-Cook Engineering Inc., signed and sealed by William D. Cook, P.E.
- 2. Statement letter of conformance to FBC 2010 dated MAY 07, 2012, prepared by Bromley-Cook Engineering Inc., signed and sealed by William D. Cook, P.E.(submitted under file #12-0813.03)
- 3. Statement letter of conformance & no financial interest to FBC 2007, dated 12/09/09, prepared, signed and sealed by William D. Cook, P.E. (submitted under file # 09-0512.08)
- 4. Lab compliance as part of the above referenced test report.

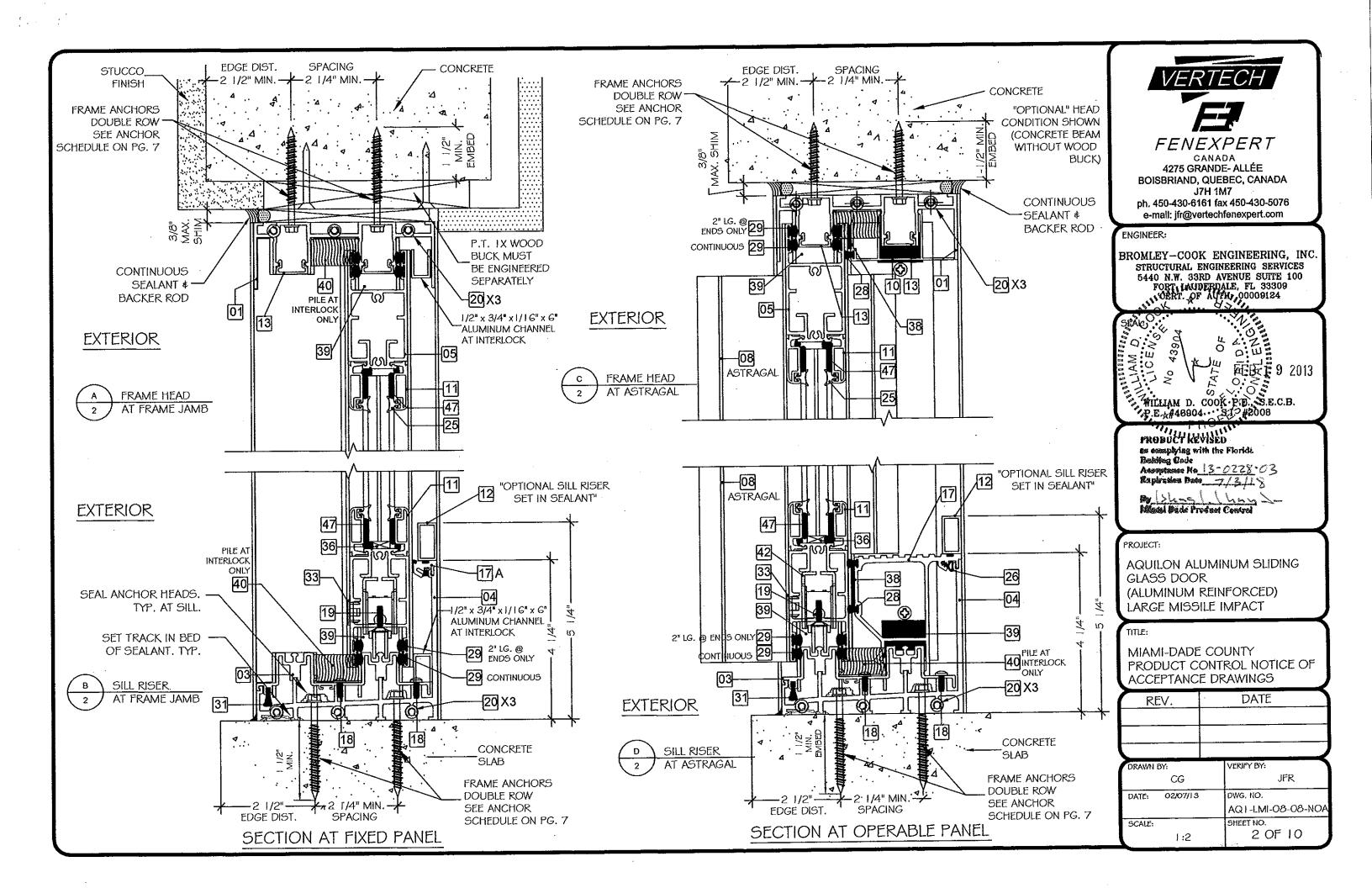
G. **OTHER**

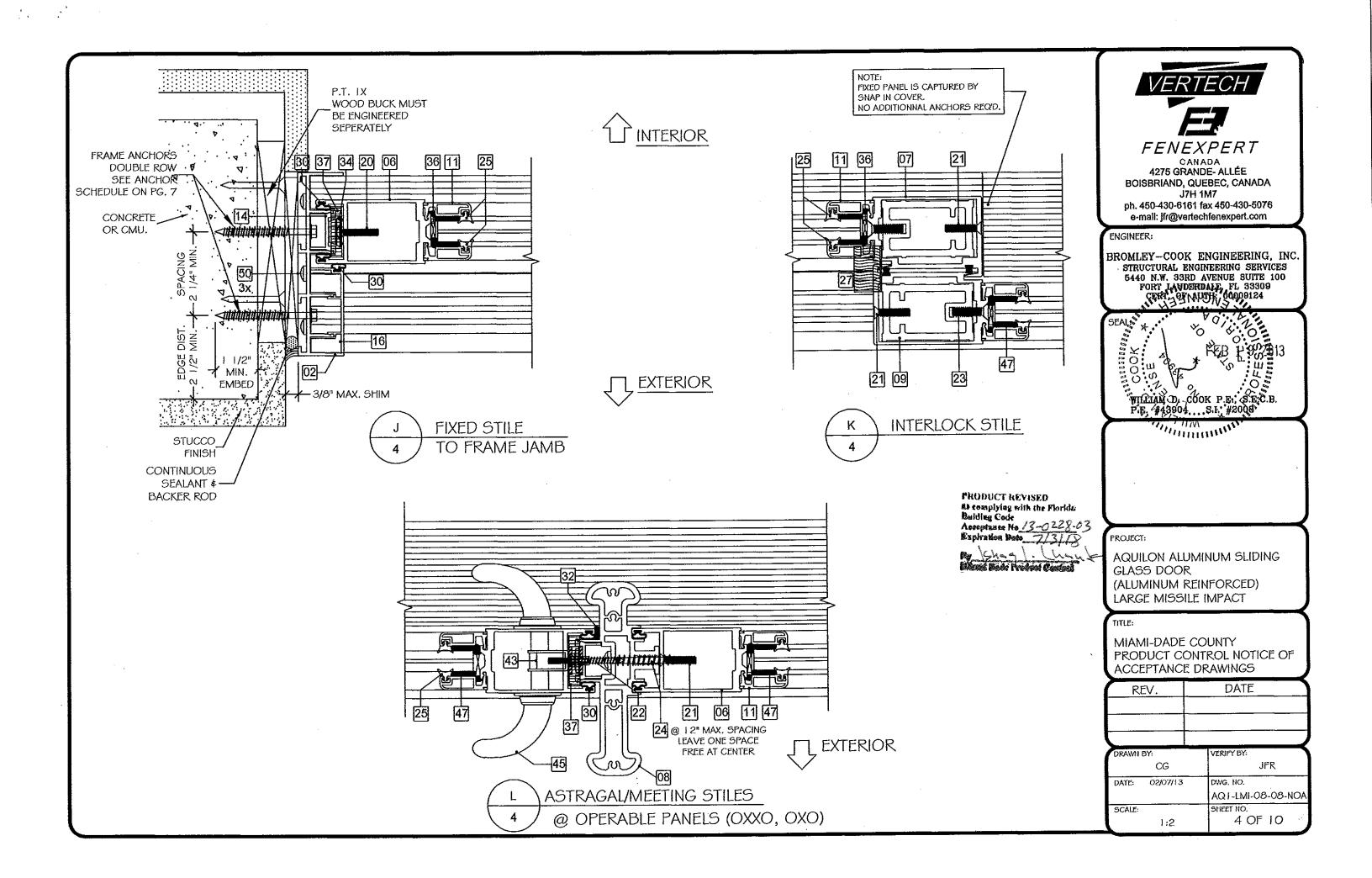
- 1. This NOA revises & renews NOA # 12-0813.03, expiring on July 03, 2018.
- 2. Test proposals approved by BCCO dated 08/16/2007 and 04/01/08.
- 3. Distribution agreement dated 09/20/12 between VerTech Fenexpert, Canada and Fenexpert, USA, signed by Martin Bergeron and Ivan Girard, respectively.

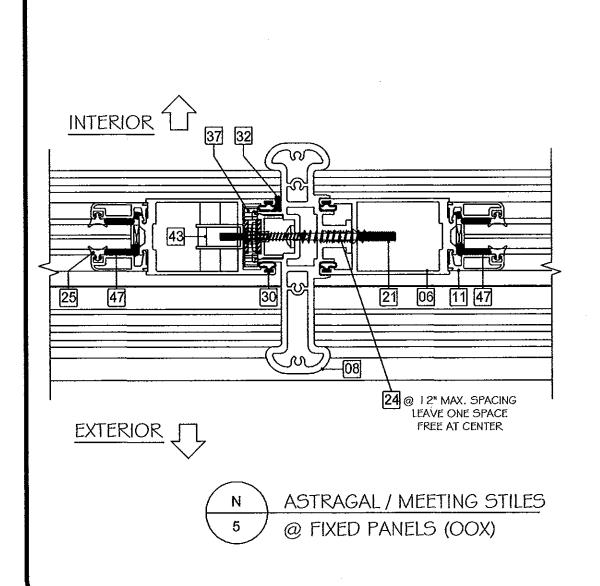
Ishaq I. Chanda, P.E. **Product Control Examiner** NOA No. 13-0228.03 Expiration Date: July 03, 2018 Approval Date: May 16, 2013

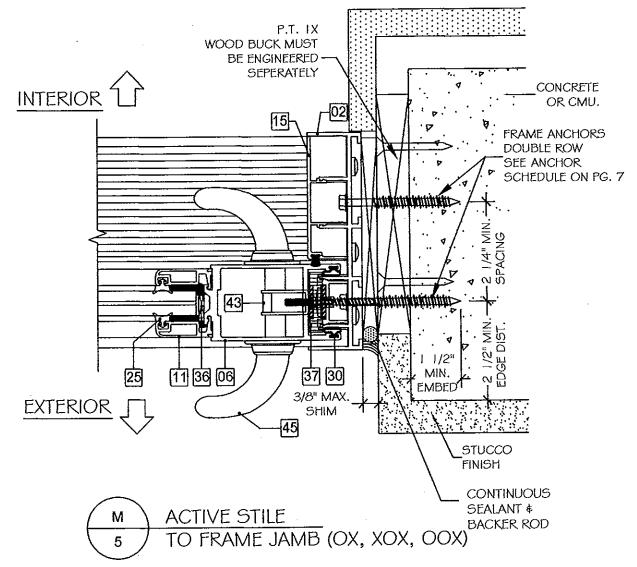
E - 1













FENEXPERT

CANADA 4275 GRANDE- ALLÉE BOISBRIAND, QUEBEC, CANADA J7H 1M7

ph. 450-430-6161 fax 450-430-5076 e-mail: jfr@vertechfenexpert.com

ENGINE

BROMLEY-COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N. 138RD AYENUE SUITE 100
FORT LAUDERDALE, FL 33309
CERT, OR LAUTH, 00009124



PRODUCT NEVISED to reapple with the Plottes bulking Code

Acceptance Ro /3-0228-03
Expiration Bato 7/3/19

By Charal Dade Product Control

PROJECT:

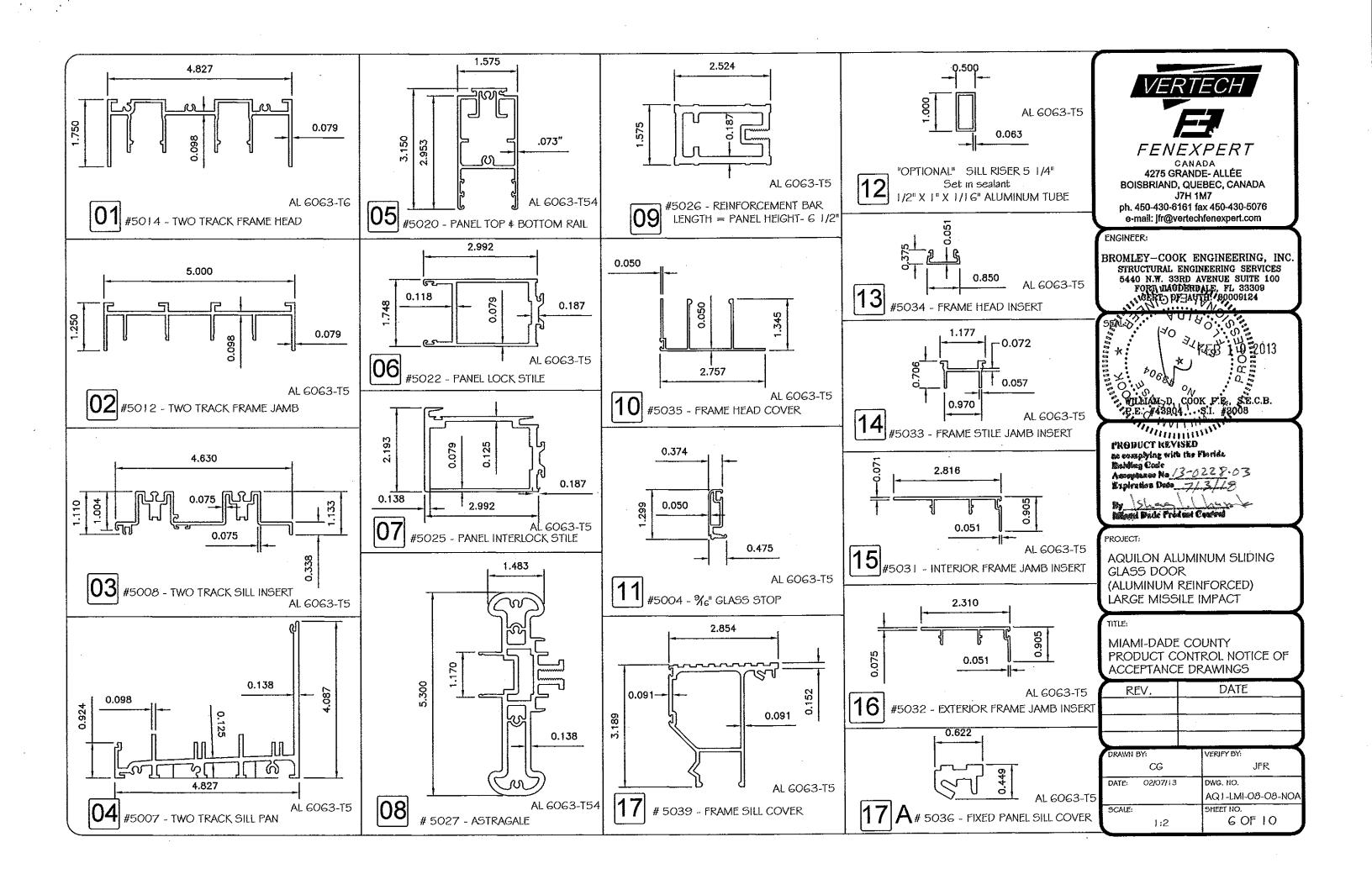
AQUILON ALUMINUM SLIDING GLASS DOOR (ALUMINUM REINFORCED) LARGE MISSILE IMPACT

TITLE:

MIAMI-DADE COUNTY
PRODUCT CONTROL NOTICE OF
ACCEPTANCE DRAWINGS

DATE

COANAL RV	VERIFY BY:
DRAWI BY: CG	JFR
DATE: 02/07/13	DWG, NO, AQ1-LMI-08-08-NOA
SCALE:	SHEET NO. 5 OF 10



ANCHOR SCHEDULE BASED ON DOOR PANEL HEIGHT, PANEL WIDTH AND DESIGN PRESSURE

DOOR	NOMINAL SGD PANEL WIDTH (000R MOTH DIMOED BY F OF PAYELS)	PRESSURE	E: P=+60 -	-60 PSF
HEIGHT		NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
	45"	. 2	0	18"
99"	50"	2	1	18"
	55"	3	1	18"
	60"	3	1	18"

	DOOR NOMINAL SGD	PRESSURI	E: P=+80 -	80 PSF	
	HEIGHT	PANEL WIDTH (DOOR WIDTH DIVIDED BY # OF PANELS)	NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
	99"	45"	3	0	18"
		50"	3	1	18"
		55"	3	1	18"
L		60"	3	• 1	18"

DOOR	NOMINAL SGD PANEL WIDTH (DOOR WIDTH OMOED BY F OF PANELS)	PRESSURE	P=+100 -	-100 PSF
HEIGHT		NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
99"	45"	3	0	18"
	50"	3	1	18"
	55"	3	1	18"
	60"	3	1	18"

DOOR	NOMINAL SGD PANEL WIDTH (900R MOTH DMDED BY 1 OF PANELS)	PRESSURE	: P=+120 -	-120 PSF
HEIGHT		NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
	45"	4	0	18"
99"	50"	4	1	18"
	55"	4	1	16"
_	60"	4	2	14"

				
DOOR NOMINAL SGD		PRESSURE	: P=+120 -	-130 PSF
HEIGHT	PANEL WIDTH (DOOR WIDTH DMDED BY 1 OF PANELS)	NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
99"	45"	4	1	18"
	50"	4	1	16"
	55"	4	2	15"
	60"	4	2	14"

DOOR	NOMINAL SGD	PRESSURI	E: P=+60 -	60 PSF
HEIGHT	PANEL WIDTH (DOOR WIDTH DAMOED BY # OF PANELS)	NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
	45"	2	0	18"
84" 50" 55"	50"	2	1	18"
	55"	2	1	18"
	60"	2	1	18"

DOOR	NOMINAL SGD	PRESSUR	E: P=+80 -	-80 PSF
HEIGHT	PANEL WIDTH (OCOR WOTH DWOED BY FOR PANELS)	NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
	45"	2	0	18"
84"	50"	2	1	18"
0+	55"	2	1	18"
	60"	2	1	18"

	DOOR	NOMINAL SGD PANEL WIDTH (DOOR WIDTH DMOED BY F OF PARELS)	PRESSURE	P=+100 -	-100 PSF
	HEIGHT		NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
		45"	3	0	18"
	84"	50"	3	1 .	18"
		55"	3	1	18"
Ì		60"	3	1	18"

DOOR	NOMINAL SGD	PRESSURE	P=+120 -	-120 PSF
HEIGHT	PANEL WIDTH (OCOR WIDTH OMOGD BY #	NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
	45"	3	0	18"
84"	84" 50" 55" 60"	3	1	18"
04		3	1	16"
		3	2	14"

DOOR	NOMINAL SGD PANEL WIDTH (OOOR WOTH DWOED BY F OF PANELS)	PRESSURE	: P=+120 -	-130 PSF
HEIGHT		NO. OF INTERLOCK CLUSTER ANCHOR ROWS	NO. OF INTERMED. PANEL ANCHOR ROWS	JAMB ANCHOR SPACING
84"	45"	3	1	18"
	50"	3	1	16"
	55"	3	2	15"
	60"	3	2	14"

ANCHOR TYPES:

THRU IX BUCK OR DIRECTLY INTO HOLLOW CMU, GROUT FILLED CMU, OR CONCRETE SUBSTRATE.

USE: 1/4" DIA, RAWL TAPPER OR 1/4" DIA, HILTI KWIK CON II. EMBED 1 1/2" MIN. BEYOND STUCCO. MIN. EDGE DIST= $2 \frac{1}{2}$. MIN. SPACING = $2 \frac{1}{4}$.

Fu min=120 Ksi Fy min= 92 Ksi

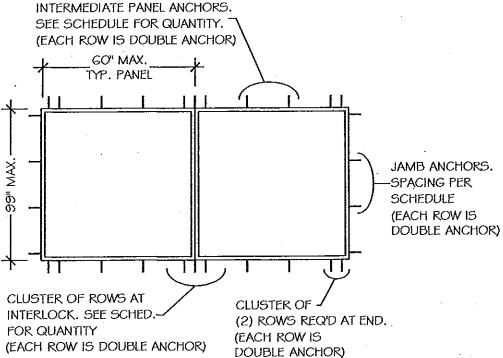
INTO 1/8" MIN. STEEL (A36) OR ALUMINUM (MIN. 6063-T5).

USE: #14 ELCO DRILL-FLEX STRUCTURAL SELF DRILLING FASTENER.

GRADE -5

ANCHORAGE NOTES:

- 1) SHIM AS SHOWN. ALL ANCHORS SHALL BE SHIMMED WITH HARD PLASTIC SHIMS. USE SHIMS WHERE GAP IS GREATER THAN 1/16".
- 2) TWO (2) ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 3) EACH ROW OF INTERMEDIATE PANEL ANCHORS CONTAINS TWO ANCHORS.
- 4) ANCHOR CLUSTER IS TOTAL NUMBER OF ANCHORS. INSTALL IN ROWS OF TWO.



ANCHOR INSTALLATION DIAGRAM:

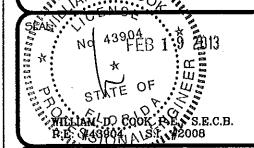
FOLLOW ANCHOR SPACING AND EDGE DISTANCE REQUIREMENTS AS NOTED IN SCHEDULE AND ON SHEET #1 (ELEVATION).



CANADA 4275 GRANDE- ALLÉE BOISBRIAND, QUEBEC, CANADA J7H 1M7

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BROMLEY-COOK ENGINEERING, INC. STRUCTURAL ENGINEERING SERVICES 5440 N.W. 33RD AVENUE SUITE 100 FORT TAUDERDALE, FL 33309 CERT. OF AUTH 90009124



PRODUCT REVISED as complying with the Pletika Buiding Code Acceptance No 13-5228-53 Expiration Date 7/3/18

By Manual Diade Printing Sealed

PROJECT:

AQUILON ALUMINUM SLIDING GLASS DOOR (ALUMINUM REINFORCED) LARGE MISSILE IMPACT

TITLE:

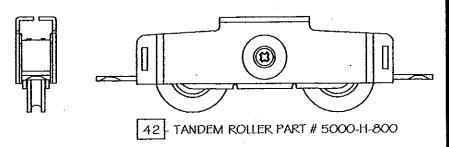
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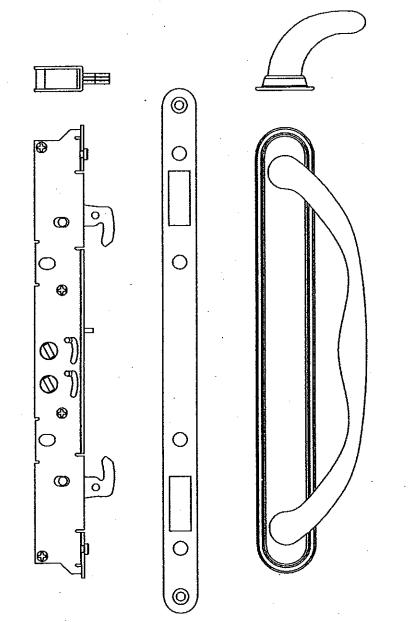
MIAMI-DADE COUNTY PRODUCT CONTROL NOTICE OF ACCEPTANCE DRAWINGS

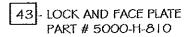
DATE

DRAWN BY:	VERIFY BY:
CG	JFR
DATE: 02/07/13	DWG. NO.
	AQ1-LM1-08-08-NOA
SCALE: N/A	энеет NO. 7 OF 10

Item	Part Number	Description	
(1-17)	Extrusions	See Pages 7 \$ 8 for Alum. Extrusions Items #1 thru #17	
18	5000-5-00.1	Screw # 8-32 x 3/8" ROUND MS STS	
19	5000-5-003	Screw # 8-32 x 5/8" FLAT MS STS for Tandem Roller	
20	5000 5-005	Screw # 10-24 x 1" ROUND MS STS for Panel & Frame Assembly	
21	5000-5-006	Screw # 10-24 x 1" FLAT MS STS for Panel Assembly	
22	5000-5-007	Screw # 10-24 x 1" FLAT STS self drilling for Keeper to Frame or Astragal	
23	5000-5-010	Screw # 1/4-20 x 1" N.C. FLAT STS	
24	5000-5-030	Screw # 14 x 2" ROUND SMS STS	
25	5000-G-101	EPDM Glazing Gasket	
26	5000-G-XXX	TPE 0.200" Dia, Bulb Kerf Mount	
27	5000-G-201	Mohair Finseal O. 187" x O.200"	
28	5000-G-XXX	Mohair Triple Finseal O. I 87" x O.320" Poly	
29	5000-G-XXX	Mohair Triple Finseal 0.270" x 0.260" Soft Touch	
30	5000-G-XXX	TPE O. 187" Tslot x O.375" Bulb	
31	5000-G-309	Mohair Wheatherseal	
32	5000-G-XXX	Sponge foam plug at Top & Bottom of Astragal	
33	5000-M-601	Plastic Plug for adjustment hole (Sealed in place)	
.34	5000-M-603	small rubber bumper	
35	5000-M-604	Large rubber bumper	
36	5000-M-606	Setting block	
37	5000-M-XXX	Dust Pad 1-1/2" x.3/8" @ Top and Bottom of Lock stile	
38	5000-M-XXX	Dust Pad 2" x 1/4" @ Head & Sill interior frame cover	
39	5000-M-G11	Dust Pad 1-1/4" x 3/4" @ Both ends of Top & Bottom Rails	
40	5000-M-G12	Dust Pad 2-3/8" x 3/4" @ Interlock Top & Bottom	
41	5000-M-620	Closing channel	
42	5000-H-800	Tandem Roller W \ Stainless steel housing & Delrin wheel	
43	5000-H-810	Lock and Face Plate (Dual Point - 3 ply)	
44	5000-H-812	Thumb Turn	
45	5000-H-820	Set of Handles	
46	5000-Z-901	Sealant Sıkaflex 5 I I	
47	5000-Z-905	Sealant Sıkaflex 552	







45 - LOCK PANÉL HANDLE PART # 5000-H-820



CANADA 4275 GRANDE- ALLÉE BOISBRIAND, QUEBEC, CANADA J7H 1M7

ph. 450-430-6161 fax 450-430-5076 e-mail: jfr@vertechfenexpert.com

ENGINEER:

BROMLEY-COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT, LAUDERDALE, FL 33309
GERT, OKCAUTH, 00009124

SEALS CENSE (A390A)

**EB LE 2013

**EB LE 2

PRODUCT NEVISED

as complying with the Florido

Building Unde

Acceptance No /3-0224-03

Expiration Data

By Shand Pludest Consess

PROJECT:

AQUILON ALUMINUM SLIDING GLASS DOOR (ALUMINUM REINFORCED) LARGE MISSILE IMPACT

TITLE

MIAMI-DADE COUNTY
PRODUCT CONTROL NOTICE OF
ACCEPTANCE DRAWINGS

REV.	DATE	
DRAWN BY: CG	VERIFY BY:	
DATE: 02/07/13	DWG. NO. AQ1-LMI-08-08-NOA	
SCALE: N.T.S.	SHEET NO. 8 OF 10	

